November 20, 2015

MEMORANDUM FOR: Distribution Email

FROM: Christine Caruso Magee
                                     Configuration Manager, NCEP Central Operations

SUBJECT: Scheduled Operational Changes and Upgrades for
                                     CPC, OPC, and WPC

The following accelerated items were implemented this past week:

None

The following will be implemented the week of November 23, 2015:

RFC #505 - Forecasters use the script 'show_command_list.csh' on NAWIPS to
see a listing of frequently-used commands. This update removes a legacy
command regarding Compute Farm UP/DOWN status. It is no longer needed.
To be implemented on November 23 at 1230Z. (OPC)

RFC #506 - Update 'crontab_compute_farm.dat' and 'crontab.utc' so script
'get_NavyOFA.csh' does not run every day, but instead only at 00Z on Tuesdays,
Thursdays, and Saturdays. The script will only email OAB if the expected file is
older than 24 hours. The 'get_NavyOFA.csh' script pulls the Gulf Stream data
from the Navy. To be implemented on November 23 at 1230Z. (OPC)

RFC #507 - The 'split_up_vgf.pl' script is being updated to rename the "Misc"
layers in output xml files. The Ice Edge and Gulf Stream layers were also
removed. These changes are being done for AWIPS-II. To be implemented on
November 24 at 1200Z. (OPC)

The following CPC OPC WPC RFC(s) are in progress:

RFC #502 – Implement the WPC WWD QPF Collaborative Tool for internal
collaboration. Scripts will be tested and implemented to generate preliminary
snow/ice forecast for Day 1,2 and 3, then disaggregate and convert into 6 hr
liquid QPF. The resultant 6 hr files will be available in NMAP so forecasters on
the Winter Weather Desk (WWD) can collaborate with WPC QPF forecasters to
make a consensus QPF. Implementation began on November 16 at 1500Z and
should be completed on December 1. (WPC)

The following NCO RFCs to be implemented the week of November 23, 2015 may affect CPC, OPC, and/or WPC:

RFC #1500 - The volume intra_hpc will be moved from the 7-mode storage to the clustered storage in order to increase the size for WPC. To be implemented on November 24 at 1200Z.

The following NCO RFCs to be implemented the week of November 30, 2015 may affect CPC, OPC, and/or WPC:

RFC #1370 – GEFS v11.0.3 – Major GEFS upgrade. See the TIN at: http://www.nws.noaa.gov/os/notification/tin15-43gefsaad.htm for specifics. Implementation is scheduled for December 2 at 1200Z.

The following NCO RFC(s) are in progress and may affect the local Centers:

RFC #1435 – GPFS v4.1 (on Tide) - Enhance the existing WCOSS - Tide phase-1 and phase-2 storage solution by adding metadata-only GPFS NSD servers and changing the existing data-and-metadata NSD to data-only servers. Existing data will be "restriped" to separate the data and metadata. Implementation began on November 4 at 1200Z and should be completed by December 20. NCO/IDSB will send notification to users via the WCOSS-announce mailing list should planned work be impactful to users

RFC #1458 – WCOSS Dataflow v1.73.0 – NCO's SPA and Dataflow teams will make changes to WCOSS in preparation for CPC making a file name change to their RCDAS data. The changes were implemented to in parallel on November 10 at 1300Z but Dataflow had not yet received files with the new names as of November 19. The processing will need to run for 1 week in parallel before moving permanently to production.

The following NCO RFC(s), which may affect the local Centers, was approved with an implementation date TBD:

RFC #1357 – RTOFS global v1.1.0 – Major upgrade of the Global RTOFS model. See the TIN at: http://www.nws.noaa.gov/os/notification/tin15-36global-rtofsaaa.htm for details. This was advertised as having an October 6 implementation date but this implementation is being postponed due to a delay in the Navy's HYCOM model upgrade. Once the HYCOM upgrade is implemented, the Global RTOFS will be scheduled for implementation. Notification will be given in advance so users may prepare for any changes which may affect them. This upgrade of the Global RTOFS was approved by the NCEP Director.

Please note that security-related RFCs are never listed in the RFC memo.

---- OPERATIONAL ANNOUNCEMENTS ----

1.   The CPC/OPC/WPC Configuration Management documents are available at https://sites.google.com/a/noaa.gov/nws-ncep-nco-cm/.

Please review these documents if you have questions prior to submitting changes for CPC/OPC/WPC configurable items.